

Datasheet for ABIN7548954

KLHDC2 Protein (AA 1-406) (His tag)



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Overview

Quantity:	1 mg
Target:	KLHDC2
Protein Characteristics:	AA 1-406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLHDC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat KLHDC2 Protein expressed in mammalian cells.
Sequence:	<p>MADGNEDLRA DDLPGPAFES YESMELACPA ERSGHVAVSD GRHMFVWGGY KSNQVRGLYD FYLPREELWI YNMETGRWKK INTEGDPVPPS MSGSCAVCVD RVLVLFGGHH SRGNTNKFYM LDSRSTDRVL QWERIDCQGI PPSSKDKLGV WVKYKNLIFF GGYGYLPEDK VLGTFEFD SFWNSSHPRG WNDHVHILDT ETFTWSQPIT TGKAPSPRAA HACATVGNRG FVFGGRYRDA RMNDLHYLNL DTWEWNELIP QGICPVGRSW HSLTPVSSDH LFLFGGFTTD KQPLSDAWTY CISKNEWIQF NHPYTEKPRL WHTACASDEG EVIVFGGCAN NLLVHHRAAH SNEILIFSVQ PKSLVRLSLE AVICFKEMLA NSWNCLPKHL LHSVNRQFGS NNTSGS Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	KLHDC2
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Alternative Name:	KLHDC2 (KLHDC2 Products)
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Background:	<p>Kelch domain-containing protein 2 (Hepatocellular carcinoma-associated antigen 33) (Host cell factor homolog LCP) (Host cell factor-like protein 1) (HCLP-1),FUNCTION: Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:29775578, PubMed:30526872). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:29779948, PubMed:29775578, PubMed:30526872). The CRL2(KLHDC2) complex specifically recognizes proteins with a diglycine (Gly-Gly) at the C-terminus, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:29775578, PubMed:30526872). The CRL2(KLHDC2) complex mediates ubiquitination and degradation of truncated SELENOK and SELENOS selenoproteins produced by failed UGA/Sec decoding, which end with a diglycine (PubMed:26138980, PubMed:30526872). The CRL2(KLHDC2) complex also recognizes</p>
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Target Details

proteolytically cleaved proteins ending with Gly-Gly, such as the N-terminal fragment of USP1, leading to their degradation (PubMed:29775578, PubMed:30526872). May also act as an indirect repressor of CREB3-mediated transcription by interfering with CREB3-DNA-binding (PubMed:11384994). {ECO:0000269|PubMed:11384994, ECO:0000269|PubMed:26138980, ECO:0000269|PubMed:29775578, ECO:0000269|PubMed:29779948, ECO:0000269|PubMed:30526872}.

Molecular Weight: 46.1 kDa

UniProt: [Q9Y2U9](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months